

- S7 25 ( ("20.5" "19.5" "18.5" "17.5" "16.5" "15.5" "14.5" "13.5" "12.5" "11.5" "10.5" "9.5" "8.5" "7.5" "6.5" "5.5" "4.5") adj4 (Hz hertz cycle\$) ) and "704"/\$.ccls.2006/02/16 09:04 US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM\_TDB
- S29 234 ( articulatl\$7 near2 ( frequenc\$4 range hz hertz cycle band) ) and ( articulatl\$7 near2 (speed rate index frequenc\$4 range hz hertz cycle band) ) and (quality or ( (power energy amplitude) near2 (articulatl\$7 or speech\$9 or speak\$9 or voic\$9 or audio\$9 or acoustic\$9 or talk\$9 or spoken or locut\$9 or vocal\$9 or sing or singi\$9 or song or phonem\$9 or phonet\$9 or sonic or sound or verbal\$9 or oral\$9 or prompt\$9 or dictat\$7 or key\$1word\$1 or command\$1 or dialog\$4 or discours\$4 or conversation\$6) ) ) 2006/02/16 10:36 US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM\_TDB
- S31 23 ( articulatl\$7 near4 ( hz hertz cycle ) ) and ( articulatl\$7 near2 (speed rate index frequenc\$4 range hz hertz cycle band) ) and (quality or ( (power energy amplitude) near2 (articulatl\$7 or speech\$9 or speak\$9 or voic\$9 or audio\$9 or acoustic\$9 or talk\$9 or spoken or locut\$9 or vocal\$9 or sing or singi\$9 or song or phonem\$9 or phonet\$9 or sonic or sound or verbal\$9 or oral\$9 or prompt\$9 or dictat\$7 or key\$1word\$1 or command\$1 or dialog\$4 or discours\$4 or conversation\$6) ) ) 2006/02/16 11:33 US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM\_TDB
- S35 107 ( articulatl\$7 near4 ( sec seco\$7 msec\$7 ms! hz hertz cycle ) ) and ( articulatl\$7 near2 (speed rate modulatl\$7 index frequenc\$4 range hz hertz cycle band) ) and (quality or ( (power energy amplitude) near2 (articulatl\$7 or speech\$9 or speak\$9 or voic\$9 or audio\$9 or acoustic\$9 or talk\$9 or spoken or locut\$9 or vocal\$9 or sing or singi\$9 or song or phonem\$9 or phonet\$9 or sonic or sound or verbal\$9 or oral\$9 or prompt\$9 or dictat\$7 or key\$1word\$1 or command\$1 or dialog\$4 or discours\$4 or conversation\$6) ) ) 2006/02/16 11:42 US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM\_TDB
- S53 131 ( lesaout-j\$ hekstra-a\$ malfait-l\$ homayounfar-k\$ berger-j\$ ).in. and quality 2006/02/16 13:01 US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM\_TDB
- S59 15 ( (articulatl\$7 vocal adj trac\$1 tongue lips! mouth) near2 ( frequency hz hertz cycle ) ) and ( (articulatl\$7 vocal adj trac\$1 tongue lips! mouth) near2 (speed rate ) ) and (quality or ( (power energy amplitude) near2 ( (articulatl\$7 vocal adj trac\$1 tongue lips! mouth) or speech\$9 or speak\$9 or voic\$9 or audio\$9 or acoustic\$9 or talk\$9 or spoken or locut\$9 or vocal\$9 or sing or singi\$9 or song or phonem\$9 or phonet\$9 or sonic or sound or verbal\$9 or oral\$9 or prompt\$9 or dictat\$7 or key\$1word\$1 or command\$1 or dialog\$4 or discours\$4 or conversation\$6) ) ) 2006/02/22 08:11 US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM\_TDB
- S60 70 ( (articulatl\$7 vocal adj trac\$1 tongue lips! mouth) near2 ( frequency hz hertz cycle ) ) and ( (articulatl\$7 vocal adj trac\$1 tongue lips! mouth) near2 (speed rate position motion path trajectory) ) and (quality or ( (power energy amplitude) near2 ( (articulatl\$7 vocal adj trac\$1 tongue lips! mouth) or speech\$9 or speak\$9 or voic\$9 or audio\$9 or acoustic\$9 or talk\$9 or spoken or locut\$9 or vocal\$9 or sing or singi\$9 or song or phonem\$9 or phonet\$9 or sonic or sound or verbal\$9 or oral\$9 or prompt\$9 or dictat\$7 or key\$1word\$1 or command\$1 or dialog\$4 or discours\$4 or conversation\$6) ) ) 2006/02/22 08:11 US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM\_TDB
- S61 15 ( ( (articulatl\$7 vocal adj trac\$1 tongue lips! mouth) near2 (speed rate position motion path trajectory) ) near2 ( frequency hz hertz cycle ) ) and (quality or ( (power energy amplitude) near2 ( (articulatl\$7 vocal adj trac\$1 tongue lips! mouth) or speech\$9 or speak\$9 or voic\$9 or audio\$9 or acoustic\$9 or talk\$9 or spoken or locut\$9 or vocal\$9 or sing or singi\$9 or song or phonem\$9 or phonet\$9 or sonic or sound or verbal\$9 or oral\$9 or prompt\$9 or dictat\$7 or key\$1word\$1 or command\$1 or dialog\$4 or discours\$4 or conversation\$6) ) ) 2006/02/22 08:11 US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM\_TDB
- S62 22 ( ( (articulatl\$7 vocal adj trac\$1 tongue lips! mouth) near4 (speed rate position motion path trajectory) ) near4 ( hz hertz cycle ) ) and (speech\$9 or speak\$9 or voic\$9 or audio\$9 or acoustic\$9 or talk\$9 or spoken or locut\$9 or vocal\$9 or sing or singi\$9 or song or phonem\$9 or phonet\$9 or sonic or sound or verbal\$9 or oral\$9 or dictat\$7 or dialog\$4 or discours\$4 or conversation\$6) 2006/02/22 08:11 US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM\_TDB
- S63 56 ( ( (articulatl\$7 vocal adj trac\$1 tongue lips! mouth) near4 (speed rate position motion movement mov\$4 path trajectory) ) near8 (hz hertz cycle) ) and (quality distort\$5 ) 2006/02/22 08:11 US-

- PGPUB; USPAT; EPO; JPO; DERWENT; IBM\_TDB
- S108 100 ( (articulat\$7 vocal adj trac\$1 tongue lips! mouth) near4 (power energy amplitude level) ) same (speech\$9 or speak\$9 or voic\$9 or talk\$9 or spoken or locut\$9 or vocal\$9 or sing or singi\$9 or song or phonem\$9 or phonet\$9 or verbal\$9 or oral\$9 or dictat\$7 or dialog\$4 or discours\$4 or conversation\$6 syllable envelope consonant vowel) and ( (measur\$7 determin\$7 quantif\$7 evaluat\$7 state describ\$7 control\$6) near4 (quality distort\$5 acceptab\$7 audib\$7 understand\$4 understood intelligib\$6 clearness clarity fidelity trueness truth) ) 2006/02/23 08:02 US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM\_TDB
- S111 50 ( (measur\$7 determin\$7 quantif\$7 evaluat\$7 state describ\$7 ) near4 (quality distort\$5 acceptab\$7 audib\$7 understand\$4 understood intelligib\$6 clearness clarity fidelity trueness truth) ) and (subson\$6 infrason\$6 sub-son\$6 infra-son\$6 inaudib\$6 subaur\$6 sub-aur\$6 infraaur\$6 infra-aur\$6 subaudib\$6 sub-audib\$6 infraaudib\$6 infra-audib\$6) near8 (hz hertz cycle) 2006/02/23 08:06 US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM\_TDB
- S112 14 ( (articulat\$7 vocal adj trac\$1 tongue lips! mouth speech\$9 or speak\$9 or voic\$9 or talk\$9 or spoken or locut\$9 or vocal\$9 or sing or singi\$9 or song or phonem\$9 or phonet\$9 or verbal\$9 or oral\$9 or dictat\$7 or dialog\$4 or discours\$4 or conversation\$6 syllable envelope consonant vowel) with (subson\$6 infrason\$6 sub-son\$6 infra-son\$6 inaudib\$6 subaur\$6 sub-aur\$6 infraaur\$6 infra-aur\$6 subaudib\$6 sub-audib\$6 infraaudib\$6 infra-audib\$6) ) and ( (measur\$7 determin\$7 quantif\$7 evaluat\$7 state describ\$7 control\$6) near2 (quality distort\$5 acceptab\$7 audib\$7 understand\$4 understood intelligib\$6 clearness clarity fidelity trueness truth) ) and (subson\$6 infrason\$6 sub-son\$6 infra-son\$6 inaudib\$6 subaur\$6 sub-aur\$6 infraaur\$6 infra-aur\$6 subaudib\$6 sub-audib\$6 infraaudib\$6 infra-audib\$6) near8 (hz hertz cycle) 2006/02/23 08:07 US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM\_TDB
- S113 8 ( (articulat\$7 vocal adj trac\$1 tongue lips! mouth speech\$9 or speak\$9 or voic\$9 or talk\$9 or spoken or locut\$9 or vocal\$9 or sing or singi\$9 or song or phonem\$9 or phonet\$9 or verbal\$9 or oral\$9 or dictat\$7 or dialog\$4 or discours\$4 or conversation\$6 syllable envelope consonant vowel) with (subson\$6 infrason\$6 sub-son\$6 infra-son\$6 inaudib\$6 subaur\$6 sub-aur\$6 infraaur\$6 infra-aur\$6 subaudib\$6 sub-audib\$6 infraaudib\$6 infra-audib\$6) near8 (hz hertz cycle) ) and ( (measur\$7 determin\$7 quantif\$7 evaluat\$7 state describ\$7 control\$6) near2 (quality distort\$5 acceptab\$7 audib\$7 understand\$4 understood intelligib\$6 clearness clarity fidelity trueness truth) ) 2006/02/23 08:08 US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM\_TDB
- S114 11 ( ( (articulat\$7 vocal adj trac\$1 tongue lips! mouth speech\$9 or speak\$9 or voic\$9 or talk\$9 or spoken or locut\$9 or vocal\$9 or sing or singi\$9 or song or phonem\$9 or phonet\$9 or verbal\$9 or oral\$9 or dictat\$7 or dialog\$4 or discours\$4 or conversation\$6 syllable envelope consonant vowel) near4 (speed rate position motion movement mov\$4 path trajectory) ) near8 (hz hertz cycle) ) and ( (measur\$7 determin\$7 quantif\$7 evaluat\$7 state describ\$7 control\$6) near2 (quality distort\$5 acceptab\$7 audib\$7 understand\$4 understood intelligib\$6 clearness clarity fidelity trueness truth) ) and (subson\$6 infrason\$6 sub-son\$6 infra-son\$6 subaur\$6 sub-aur\$6 infraaur\$6 infra-aur\$6 subaudib\$6 sub-audib\$6 infraaudib\$6 infra-audib\$6) 2006/02/23 08:10 US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM\_TDB
- S115 37 ( (articulat\$7 vocal adj trac\$1 tongue lips! mouth speech\$9 or speak\$9 or voic\$9 or talk\$9 or spoken or locut\$9 or vocal\$9 or sing or singi\$9 or song or phonem\$9 or phonet\$9 or verbal\$9 or oral\$9 or dictat\$7 or dialog\$4 or discours\$4 or conversation\$6 syllable envelope consonant vowel) same (subson\$6 infrason\$6 sub-son\$6 infra-son\$6 subaur\$6 sub-aur\$6 infraaur\$6 infra-aur\$6 subaudib\$6 sub-audib\$6 infraaudib\$6 infra-audib\$6) ) and ( ( (measur\$7 determin\$7 quantif\$7 evaluat\$7 state describ\$7 control\$6) near4 (quality distort\$5 acceptab\$7 audib\$7 understand\$4 understood intelligib\$6 clearness clarity fidelity trueness truth) ) same (subson\$6 infrason\$6 sub-son\$6 infra-son\$6 subaur\$6 sub-aur\$6 infraaur\$6 infra-aur\$6 subaudib\$6 sub-audib\$6 infraaudib\$6 infra-audib\$6) ) 2006/02/23 08:12 US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM\_TDB
- S116 32 (articulat\$7 vocal adj trac\$1 tongue lips! mouth speech\$9 or speak\$9 or voic\$9 or talk\$9 or spoken or locut\$9 or vocal\$9 or sing or singi\$9 or song or phonem\$9 or phonet\$9 or verbal\$9 or oral\$9 or dictat\$7 or dialog\$4 or discours\$4 or conversation\$6 syllable envelope consonant vowel) and (

(subson\$6 infrason\$6 sub-son\$6 infra-son\$6 subaur\$6 sub-aur\$6 infraaur\$6 infra-aur\$6 subaudib\$6 sub-audib\$6 infraaudib\$6 infra-audib\$6) near4 (power energy amplitude level) ) and ( (measur\$7 determin\$7 quantif\$7 evaluat\$7 state describ\$7 control\$6) near4 (quality distort\$5 acceptab\$7 audib\$7 understand\$4 understood intelligib\$6 clearness clarity fidelity trueness truth) ) 2006/02/23 08:13

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S117 34 ( (articulat\$7 vocal adj trac\$1 tongue lips! mouth speech\$9 or speak\$9 or voic\$9 or talk\$9 or spoken or locut\$9 or vocal\$9 or sing or singi\$9 or song or phonem\$9 or phonet\$9 or verbal\$9 or oral\$9 or dictat\$7 or dialog\$4 or discours\$4 or conversation\$6 syllable envelope consonant vowel) with (subson\$6 infrason\$6 sub-son\$6 infra-son\$6) ) and ( (measur\$7 determin\$7 quantif\$7 evaluat\$7 state descri\$7 control\$6) near2 (quality distort\$5 acceptab\$7 audib\$7 understand\$4 understood intelligib\$6 clearness clarity fidelity trueness truth) ) 2006/02/23 08:14 US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM\_TDB

S120 79 ( ( (articulat\$7 vocal adj trac\$1 tongue lips! mouth speech\$9 or speak\$9 or voic\$9 or talk\$9 or spoken or locut\$9 or vocal\$9 or sing or singi\$9 or song or phonem\$9 or phonet\$9 or verbal\$9 or oral\$9 or dictat\$7 or dialog\$4 or discours\$4 or conversation\$6) near4 (speed rate position motion movement mov\$4 path trajectory) ) near8 (hz hertz cycle) ) and ( (measur\$7 determin\$7 quantif\$7 evaluat\$7 state control\$6) near2 (quality distort\$5 acceptab\$7 audib\$7 intelligib\$6 clearness clarity fidelity trueness truth) ) 2006/02/23 08:29 US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM\_TDB